

**FIG. 1**

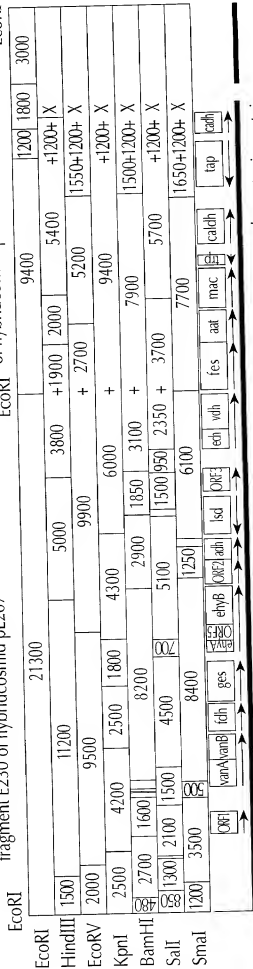
Physical map of the sequenced area sizes in bp

fragments E94, E12, E18 and E30

fragment E230 of hybridcosmid pE207

EcoRI of hybridcosmid pE5-1

EcoRI



vanA, vanB: vanillate-O-demethylase

ges:  $\gamma$ -glutamylcystein synthetase

ehyB: flavoprotein subunit of

eugenol hydroxylase

lsc: lignostilben dioxygenase

vdh: vanillin dehydrogenase

aat:  $\beta$ -ketothiolase

fdh: formaldehyde dehydrogenase

ehyA: cytochrome C subunit of

eugenol hydroxylase

adh: alcohol dehydrogenase

mac: chemotaxis-protein

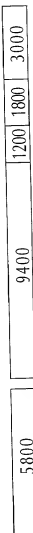
tp: transcriptional-regulator-protein

tap: transcriptional-activator-protein

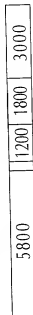
caldh: coniferyl aldehyd dehydrogenase

cadh: coniferyl alkohl dehydrogenase

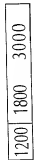
pE5-1



pE109



pE106



Cloned fragments, subfragments and sequenced areas